IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:

Aravind Sitaraman et al.

SERIAL NO.:

09/802,410

ELED:

March 9, 2001

TITLE:

Dynamic Multi-Hop Ingress to Engress L2TP Tunnel Mapping

EXAMINER:

Phirin Sam

(Tel. No.: (571) 272-3082)

(Fax No.: (703) 872-9306)

ART UNIT:

2661

CERTIFICATE OF MAILING

I hereby certify that this paper is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: MAIL STOP: RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date printed below:

Date:

Name

Heatrice Orozco

MAIL STOP: RCE

COMMISSIONER FOR PATENTS

P.O. BOX 1450

ALEXANDRIA, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Each item of information listed in the attached FORM PTO-1449, for which a copy of each is attached (unless the blanket waiver referred to below applies), may be material to the examination of the above-identified application and is, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR §§ 1.56, 1.97 and 1.98. The Examiner is requested to review, consider and document each such item in the official record of this application.

Note: If this box is checked, this case was filed after June 30, 2003 and qualifies for the blanket waiver of deposit of copies of U.S. Patents and U.S. Patent Application Publications in accordance with the written waiver of 37 CFR §1.98 (a)(2)(i) dated July 11, 2003. Accordingly, such copies are not attached.

This Information Disclosure Statement under 37 CFR §§ 1.56, 1.97 and 1.98 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one or more of these items constitutes prior art.

I

This statement is filed pursuant to (CHECK ONE BOX):

⊠ 37 C.F.R. § 1.97(b).

This information disclosure statement is filed either:

- (1) within three months of the filing date of a national application other than a continued prosecution application under §1.53(d);
- (2) within three months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application;
 - (3) before the mailing date of a first office action on the merits; or
- (4) before the mailing of a first office action after the filing of a Request for Continued Examination under 37 C.F.R. §1.114, whichever event occurs last.

Accordingly, this information disclosure statement requires no fee and no certification.

37 C.F.R. § 1.97(c).

This information disclosure statement is filed **after** the period specified in 37 C.F.R. § 1.97(b), but **before** the mailing date of any of the following:

- (1) a final action under 37 C.F.R. § 1.113;
- (2) a notice of allowance under 37 C.F.R. § 1.311; or
- (3) an action that otherwise closes prosecution in the application.

Accordingly, this information disclosure statement requires either:

- (1) the fee specified in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c); or
 - (2) a certification according to 37 C.F.R. § 1.97 (e)(1) or (2).

37 C.F.R. § 1.97(d).

This information disclosure statement is filed **after** the period specified in 37 C.F.R. § 1.97 (c).

Accordingly, this information disclosure statement requires:

- (1) a certification in accordance with 37 C.F.R. § 1.97(e); and
- (2) the fee specified in 37 C.F.R. § 1.17 (p) to consider an information disclosure statement under 37 C.F.R. § 1.97(d).

If this statement crosses in the mail with an office action, or is otherwise not in the indicated category of 37 C.F.R. § 1.97, it is respectfully requested that this statement be treated in the next appropriate category and made of record. To the extent required, please treat this paper as a conditional petition for acceptance of the information disclosure statement.

II

Fees Due (CH	IECK ONE BOX):						
	No fee is due.						
	The fee specified in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c) or 37 C.F.R. § 1.97(d) is encl (\$180).						
	III						
Certification ((CHECK ONE BOX):						
	No certification is necessary.						
	Pursuant to 37 C.F.R. § 1.97(e)(1), the undersigned hereby certifies: That each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.						
	Pursuant to 37 C.F.R. § 1.97(e)(2), the undersigned hereby certifies: No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this information disclosure statement.						

IV

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Please charge any additional required fee or credit any overpayment to our deposit account number 50-1698.

Respectfully submitted, THELEN REID & PRIEST LLP

Dated: July 26, 2005

John P. Schaub

Registration No. 42,125

THELEN REID & PRIEST LLP P.O. Box 640640 San Jose, CA 95164-0640 Telephone: (408) 292-5800

Fax: (408) 287-8040

	Form PTO 1449 (Rev. 2-32) U.S. Department of Commerce Patent and Trademark Office				CISCO-			09/802,410	
	in for	mation Disclosure	Statement by A	pplicant		nt: Aravind S	Sitaraman et al.		
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Init.		Document No.	Date	Name		Class	Subclass	Filing	Date
	A	4,644,532	2/17/1987	George et al.					
	В	4,669,113	5/26/1987	Ash et al.					
	C	4,896,319	1/23/1990	Lidinsky et al.					
	D	4,995,074	2/19/1991	Goldman et al.					
-	Е	5,014,265	5/7/1991	Hahne et al.					
	F	5,115,427	5/19/1992	Johnson, Jr. et al.					
	G	5,159,592	10/27/1992	Perkins					
	Н	5,239,537	8/24/1993	Sakauchi					
	I	5,265,245	11/23/1993	Nordstrom et al.					
	J	5,274,634	12/28/1993	Babiarz					
<u> </u>	K	5,347,511	9/13/1994	Gun					
	L	5,371,852	12/6/1994	Attanasio et al.					
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	N	5,416,842	5/16/1995	Aziz					
	0	5,437,013	7/25/1995	Rubin et al.					
	P	5,461,624	10/24/1995	Mazzola					
	Q	5,469,556	11/21/1995	Clifton					
	R	5,510,777	4/23/1996	Pilc et al.					
	S	5,539,884	7/23/1996	Robrock, II					
	Т	5,578,955	11/26/1996	Matsue et al.					
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		Other Do	cuments (Inclu	ding Author, Title, I	Date, Pert	inent Pages,	etc.)		
	V	VPNs", White Pa	per, 1998.	PN from Ascend Co.					
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	Y	Rigney et al., "Re April 1997.	mote Authentica	tion Dial in User Ser	vice (Radi			p, pp. 1-:	57,
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Init.		Document No.	Date	Name		Class	Subclass	Filing	Date
	Z	5,588,003	12/24/1996	Ohba et al.					
	AA	5,602,918	2/11/1997	Chen et al.					
	AB	5,604,803	2/18/1997	Aziz					
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	AO	5,717,690	2/10/1998	Peirce, Jr. et al.				-	
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	AQ	5,740,176	4/14/1998	Gupta et al.				-	
	AR	5,740,371	4/14/1998	Wallis					
-	AS	5,742,604	4/21/1998	Edsall et al.					
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	AV	l ' '		of a High-Performance			<u> </u>		IEEE
				munications, Vol. 17,		. 1190-1200, J	une 1999.		
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Init.		Document No.	Date	Name	105	Class	Subclass	Filing	Date	
	AW	5,745,708	4/28/1998	Weppler et al.						
	AX	5,764,636	6/9/1998	Edsall						
	AY	5,768,519	6/16/1998	Swift et al.						
	AZ	5,796,732	8/18/1998	Mazzola et al.			,			
	BA	5,802,290	9/1/1998	Casselman						
-	BB	5,815,665	9/29/1998	Teper et al.						
	BC	5,918,019	6/29/1999	Valencia			<u> </u>			
	BD	5,944,824	8/31/1999	Не			-			
	BE	5,949,755	9/7/1999	Uphadya et al.						
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	ВО	6,081,508	6/27/2000	West et al.						
	BP	6,081,518	6/27/2000	Bowman-Amuah						
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Init.	1	Document No.	Date	Name		Class	Subclass	Filing	Date
	BQ	6,084,892	7/4/2000	Benash et al.					
	BR	6,092,178	7/18/2000	Jindal et al.		<u> </u>			
	BS	6,092,196	7/18/2000	Reiche					
	BT	6,094,437	7/25/2000	Lochndorf, Jr. et al.					
	BU	6,108,708	8/22/2000	Iwata					
	BV	6,115,468	9/5/2000	De Nicolo					
	BW	6,118,785	9/12/2000	Araujo et al.					
	BX	6,134,666	10/17/2000	De Nicolo					
	BY	6,154,775	11/28/2000	Coss et al.					
	BZ	6,212,561	4/3/2001	Sitaraman et al.					
	CA	6,236,655	5/22/2001	Caldara et al.					
	СВ	6,252,878	6/26/2001	Locklear, Jr. et al.					_
	CC	6,298,043	10/2/2001	Mauger et al.					
	CD	6,308,213	10/23/2001	Valencia					
	CE	6,396,838	5/28/2002	Palnati					
	CF	6,400,716	6/4/2002	Munakata et al.					
_	CG	6,408,336	6/18/2002	Schneider et al.					
	CH	6,415,313	7/2/2002	Yamada et al.					
	CI	6,430,152	8/6/2002	Jones et al.					
	CJ	6,438,612	8/20/2002	Ylonen et al.					·
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	CK	6,446,200	9/3/2002	Ball et al.					
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-	CM	6,463,475	10/8/2002	Calhoun					
	CN	6,665,305	12/16/2003	Weismann					
	co	6,654,792	11/25/2003	Verma et al.					
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	CW	6,609,153	8/19/2003	Salkewicz					
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